

In the Claims:

Please add the following claims 36 to 46 (claims 25 to 35 were filed in a supplemental amendment that was efiled on December 21, 2006 and **are** previously presented in unamended form):

Claims 1 to 24.(canceled)

25. (currently amended) A method of preserving a perishable cosmetic preparation, said method comprising ~~the step of~~ not including any organic chemical preservatives in the perishable cosmetic preparation and adding bioactive glass particles with ~~having~~ particles sizes (d_{50}) less than or equal to 400 μm to said cosmetic preparation, so that said cosmetic preparation contains from 0.1 to 25 percent by weight of said bioactive glass particles after said adding;

wherein said bioactive glass particles consist of from 40 to 60 percent by weight SiO_2 , from 10 to 30 percent by weight CaO , from 10 to 35 percent by weight Na_2O , from 2 to 8 percent by weight P_2O_5 , from 0 to 25 percent by weight of CaF_2 , from 0 to 10 percent by weight B_2O_3 , from 0 to 8 percent by weight of K_2O , and from 0 to 5 percent by weight MgO .

26. (previously presented) The method as defined in claim 25, wherein said preparation contains from 1 percent by weight to 10 percent by weight of said bioactive glass particles after the adding.

27. (previously presented) The method as defined in claim 25, wherein said particles sizes (d_{50}) are less than or equal to 100 μm .

28. (previously presented) The method as defined in claim 25, wherein said particles sizes (d_{50}) are less than or equal to 10 μm .

29. (previously presented) A cosmetic preparation that comes into contact with skin, said cosmetic preparation containing no organic chemical preservative compounds and from 0.1 to 25 percent by weight of bioactive glass particles;

wherein the bioactive glass particles consist of from 40 to 60 percent by weight SiO_2 , from 10 to 30 percent by weight CaO , from 10 to 35 percent by weight Na_2O , from 2 to 8 percent by weight P_2O_5 , from 0 to 25 percent by weight of CaF_2 , from 0 to 10 percent by weight B_2O_3 , from 0 to 8 percent by weight of K_2O , and from 0 to 5 percent by weight MgO ; and

wherein the bioactive glass particles have particles sizes (d_{50}) less than or equal to 400 μm .

30. (previously presented) The cosmetic preparation as defined in claim 29, wherein said particles sizes (d_{50}) are less than or equal to 100 μm and said preparation contains from 1 percent by weight to 10 percent by weight of said bioactive glass particles.

31. (previously presented) The cosmetic preparation as defined in claim 29,

wherein said particles sizes (d_{50}) are less than or equal to 5 μm .

32. (previously presented) The cosmetic preparation as defined in claim 29, wherein said particles sizes (d_{50}) are less than or equal to 2 μm .

33. (previously presented) The cosmetic preparation as defined in claim 29, wherein said preparation contains from 0.1 percent by weight to 7 percent by weight of said bioactive glass particles.

34. (previously presented) The cosmetic preparation as defined in claim 29, consisting of a cosmetic cream for application to the skin, a cosmetic lotion for application to the skin, a lipstick, or a make-up composition.

35. (previously presented) The cosmetic preparation as defined in claim 29, consisting of a liquid that contains no alcohol and wherein said bioactive glass particles have a refractive index that is close enough to that of said liquid so that said bioactive glass particles are substantially invisible to an observer and thus do not affect preparation appearance.

36. (new) In a method of preserving a perishable cosmetic preparation, the improvement comprising adding from 0.1 to 25 percent by weight of bioactive glass particles with particles sizes (d_{50}) up to about 1 mm to said perishable cosmetic preparation, so that upon contact with an aqueous medium said

bioactive glass particles form a hydroxyapatite layer on surfaces of said bioactive glass particles and said bioactive glass particles thus provide antimicrobial action in said perishable cosmetic preparation because of the presence of said hydroxyapatite layer; and

in which said bioactive glass particles contain calcium and phosphorus in relative amounts that are sufficient for formation of said hydroxyapatite layer on contact with said aqueous medium.

37. (new) The improvement as defined in claim 36, wherein said bioactive glass particles consist of from 40 to 60 percent by weight SiO_2 , from 10 to 30 percent by weight CaO , from 10 to 35 percent by weight Na_2O , from 2 to 8 percent by weight P_2O_5 , from 0 to 25 percent by weight of CaF_2 , from 0 to 10 percent by weight B_2O_3 , from 0 to 8 percent by weight of K_2O , and from 0 to 5 percent by weight MgO .

38. (new) The improvement as defined in claim 36, wherein said bioactive glass particles consist of from 40 to 90 percent by weight SiO_2 , from 4 to 45 percent by weight CaO , from 0 to 10 percent by weight Na_2O , from 2 to 16 percent by weight P_2O_5 , from 0 to 25 percent by weight of CaF_2 , from 0 to 4 percent by weight B_2O_3 , from 0 to 8 percent by weight of K_2O , and from 0 to 5 percent by weight MgO .

39. (new) The improvement as defined in claim 36, wherein said particles sizes

(d₅₀) of said bioactive glass particles are less than or equal to 100 μm and said cosmetic composition contains from 1 percent by weight to 10 percent by weight of said bioactive glass particles.

40. (new) The improvement as defined in claim 36, wherein said perishable cosmetic composition contains an aqueous solvent or an alcoholic solvent.

41. (new) In a perishable cosmetic preparation, the improvement comprising including from 0.1 to 25 percent by weight of bioactive glass particles with particles sizes (d₅₀) up to about 1 mm in said perishable cosmetic preparation, so that upon contact with an aqueous medium said bioactive glass particles form a hydroxyapatite layer on surfaces of said bioactive glass particles and said bioactive glass particles thus provide antimicrobial action in said perishable cosmetic preparation due to the presence of said hydroxyapatite layer; and

in which said bioactive glass particles contain calcium and phosphorus in relative amounts that are sufficient for formation of said hydroxyapatite layer on contact with said aqueous medium.

42. (new) The improvement as defined in claim 41 and further comprising not including skin-irritating chemical preservatives or allergenic chemical preservatives in said perishable cosmetic preparation.

43. (new) The improvement as defined in claim 41, wherein said bioactive glass

particles consist of from 40 to 60 percent by weight SiO_2 , from 10 to 30 percent by weight CaO , from 10 to 35 percent by weight Na_2O , from 2 to 8 percent by weight P_2O_5 , from 0 to 25 percent by weight of CaF_2 , from 0 to 10 percent by weight B_2O_3 , from 0 to 8 percent by weight of K_2O , and from 0 to 5 percent by weight MgO .

44. (new) The improvement as defined in claim 41, wherein said bioactive glass particles consist of from 40 to 90 percent by weight SiO_2 , from 4 to 45 percent by weight CaO , from 0 to 10 percent by weight Na_2O , from 2 to 16 percent by weight P_2O_5 , from 0 to 25 percent by weight of CaF_2 , from 0 to 4 percent by weight B_2O_3 , from 0 to 8 percent by weight of K_2O , and from 0 to 5 percent by weight MgO .

45. (new) The improvement as defined in claim 41, wherein said particles sizes (d_{50}) of said bioactive glass particles are less than or equal to 100 μm and said cosmetic composition contains from 1 percent by weight to 10 percent by weight of said bioactive glass particles.

46. (new) The improvement as defined in claim 41, wherein said perishable cosmetic composition contains an aqueous solvent or an alcoholic solvent.